

PPL13 PROJECT FACT SHEET

Project Name and Number: Bank Stabilization Lake Borgne: Bayou Dupre to Bayou Bienvenue

Coast 2050 Strategy:

Regional: #11, Maintain shoreline integrity of Lake Borgne
Coastwide: Maintenance of Gulf, Bay and Lake Shoreline Integrity
Mapping Unit: Maintain shoreline integrity (43)

Project Location: Region 1, Ponchartrain Basin, St. Bernard Parish, Lake Borgne
Shoreline from Bayou Dupree to Bayou Bienvenue

Problem: Shoreline erosion rates average 10 ft/yr. along this section of Lake Borgne.

Goals: Project will stop shoreline erosion and protect adjacent fragile marsh between Lake Borgne and the MRGO.

Proposed Solution: Construct approximately 3 miles foreshore rock dike along the Lake Borgne shoreline from Bayou Bienvenue to approximately 1.6 miles northwest of Bayou Dupre (at the northwestern boundary of PO-31 project). This project will tie into the PO-31 at this location.

Preliminary Project Benefits: Reduce shoreline erosion at the current rate of approximately 10 ft/yr., which would protect approximately 73.5 acres along Lake Borgne over the 20 year project life.

Compatibility with Coast 2050 Criteria:

Wetland Elevation/Sustainability: The project sustains a low (<500 acres) amount of emergent wetlands over the project life.

Ecosystem Influence Area: The project beneficially influences a medium (5,000-30,000 acres) area.

Structural Framework: The project maintains or restores a structural component of the ecosystem that benefits greater than 50% of the ecosystem influence area for greater than 20 years.

Infrastructure: The project has a substantial net positive impact on critical infrastructure (MRGO).

Organism and Material Linkages: The project is consistent with the sustainability of the ecosystem but allows moderately less than a natural level of organism and material exchange.

Coast 2050 Habitat Objectives: The project maintains greater than 66% of the project area towards the habitat objective.

Project Synergy: The project provides a high degree of synergy with approved project PO-31, Lake Borgne Shoreline Protection at Bayou Dupre.

Preliminary Construction Costs:

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Project Map